Optimización de la calidad de experiencia en redes LTE mediante el reparto de tráfico

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Due to the huge increase in traffic and services in mobile networks, network management has changed its main focus from Quality of Service (QoS) to a Quality of Experience (QoE) perspective. In addition, SON (Self organization Networks) techniques have been developed to automate network management, being traffic steering a key use case. Traditionally, traffic steering aims to balancing the traffic among adjacent cells, although it has also been used to balancing QoE among cells in a LTE network. Nevertheless, these techniques may fail when pursuing maximum user QoE. In this work, a novel traffic steering algorithm is proposed to reach maximum QoE in a realistic LTE network with a file download service